

Calvert Cliffs 2

2Q/2011 Performance Indicators

Licensee's General Comments: none

Unplanned Scrams per 7000 Critical Hrs



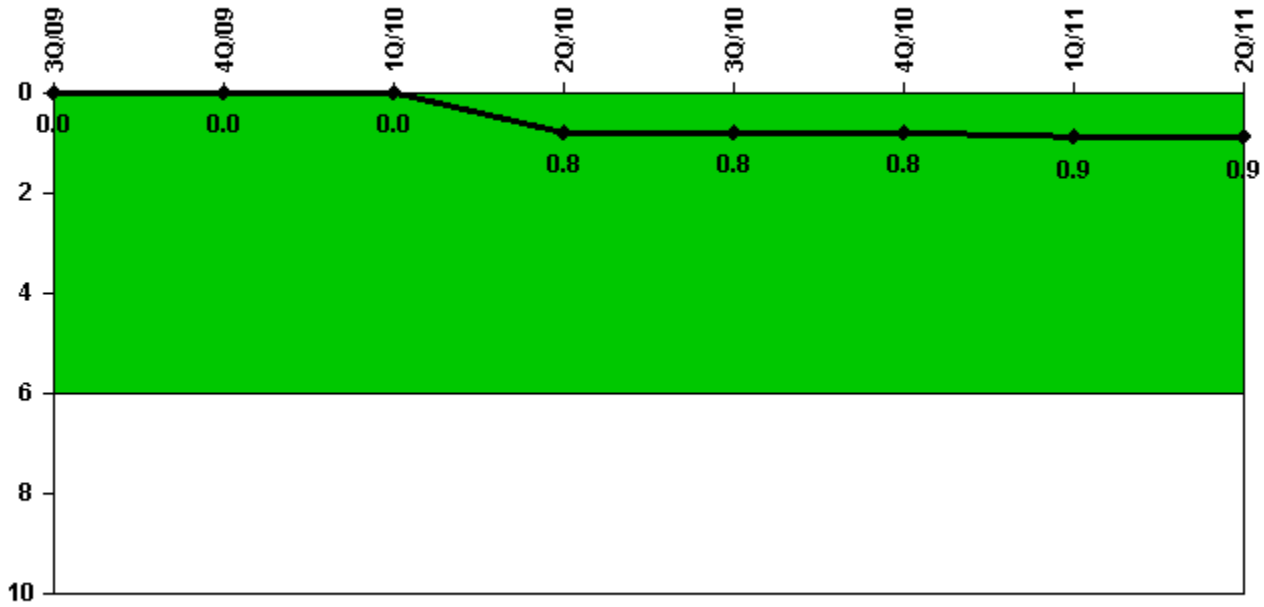
Thresholds: White > 3.0 Yellow > 6.0 Red > 25.0

Notes

Unplanned Scrams per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned scrams	0	0	1.0	0	0	0	0	0
Critical hours	2208.0	2209.0	1941.7	2184.0	2208.0	2209.0	1475.6	2184.0
Indicator value	0	0	0.8	0.8	0.8	0.8	0	0

Licensee Comments: none

Unplanned Power Changes per 7000 Critical Hrs



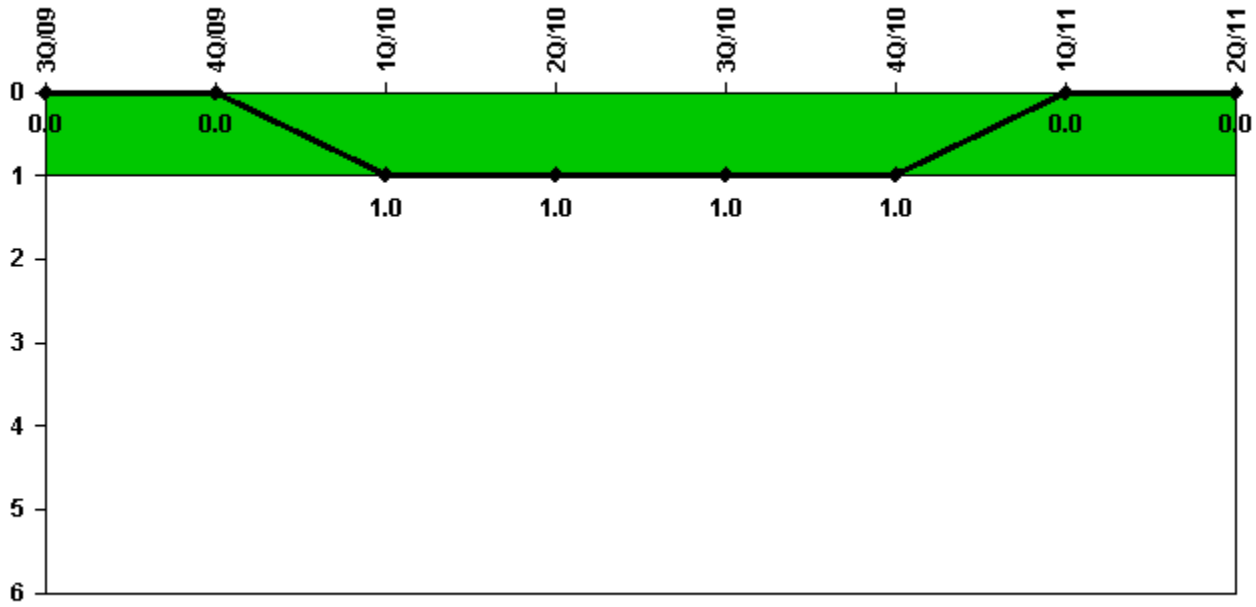
Thresholds: White > 6.0

Notes

Unplanned Power Changes per 7000 Critical Hrs	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Unplanned power changes	0	0	0	1.0	0	0	0	1.0
Critical hours	2208.0	2209.0	1941.7	2184.0	2208.0	2209.0	1475.6	2184.0
Indicator value	0	0	0	0.8	0.8	0.8	0.9	0.9

Licensee Comments: none

Unplanned Scrams with Complications



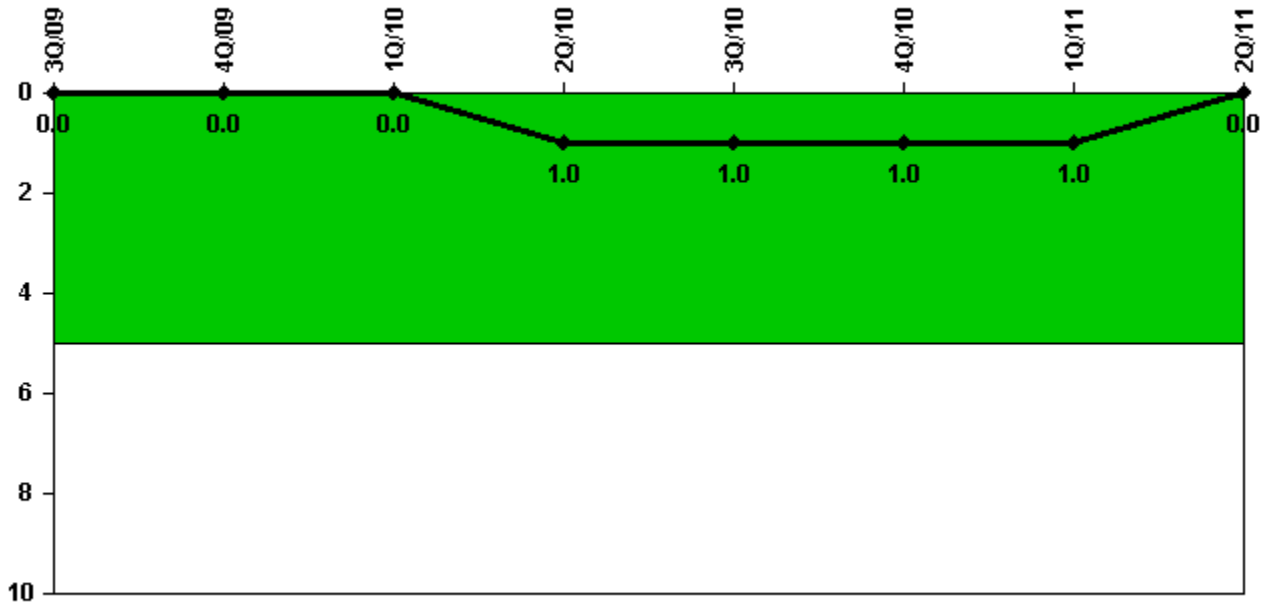
Thresholds: White > 1.0

Notes

Unplanned Scrams with Complications	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Scrams with complications	0	0	1.0	0	0	0	0	0
Indicator value	0.0	0.0	1.0	1.0	1.0	1.0	0.0	0.0

Licensee Comments: none

Safety System Functional Failures (PWR)



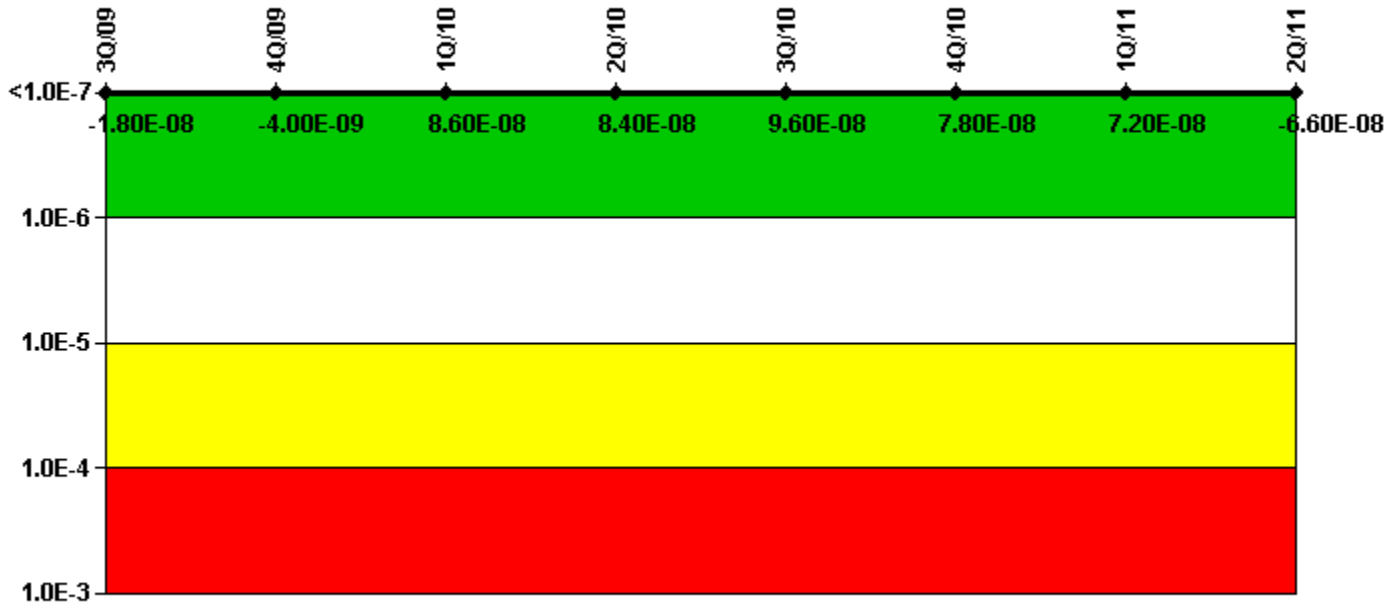
Thresholds: White > 5.0

Notes

Safety System Functional Failures (PWR)	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Safety System Functional Failures	0	0	0	1	0	0	0	0
Indicator value	0	0	0	1	1	1	1	0

Licensee Comments: none

Mitigating Systems Performance Index, Emergency AC Power System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

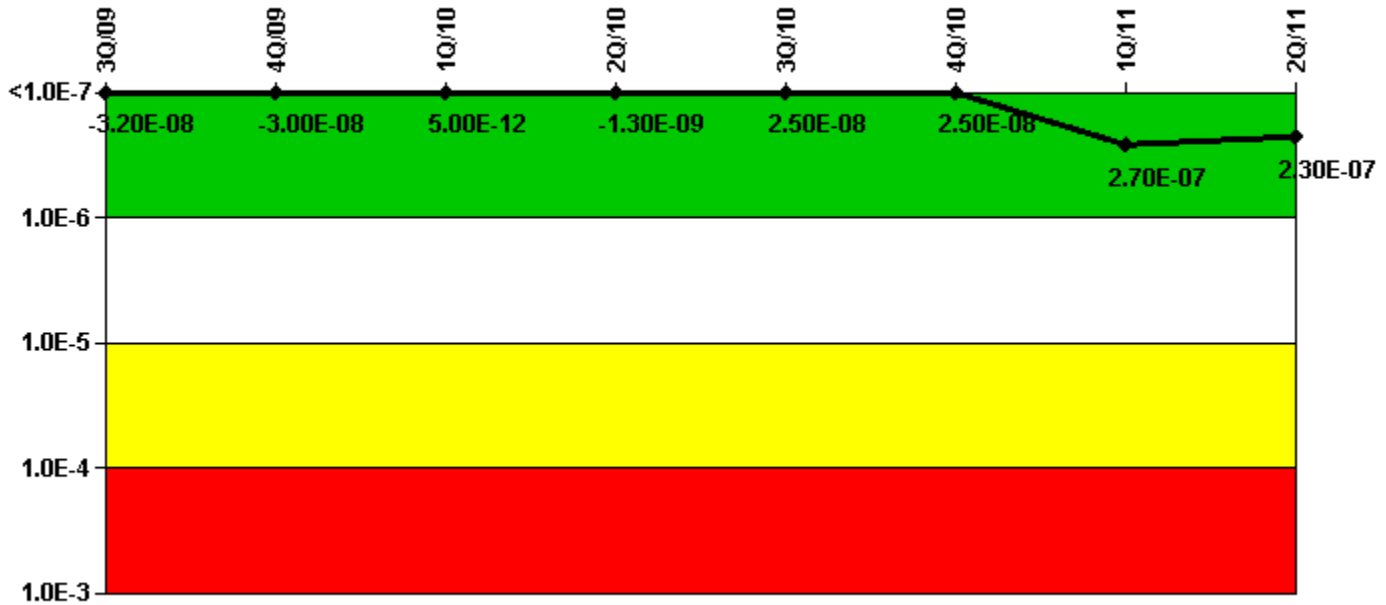
Notes

Mitigating Systems Performance Index, Emergency AC Power System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	5.60E-08	7.00E-08	1.00E-07	9.77E-08	1.11E-07	9.08E-08	8.65E-08	2.82E-09
URI (Δ CDF)	-7.40E-08	-7.40E-08	-1.46E-08	-1.40E-08	-1.45E-08	-1.29E-08	-1.42E-08	-6.86E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	-1.80E-08	-4.00E-09	8.60E-08	8.40E-08	9.60E-08	7.80E-08	7.20E-08	-6.60E-08

Licensee Comments:

1Q/11: Revisions effective Q2 2011: PRA parameters due to model update and UA Base Lines due to change in maintenance strategy from work in outage to on-line.

Mitigating Systems Performance Index, High Pressure Injection System



Thresholds: White > $1.00E-6$ Yellow > $1.00E-5$ Red > $1.00E-4$

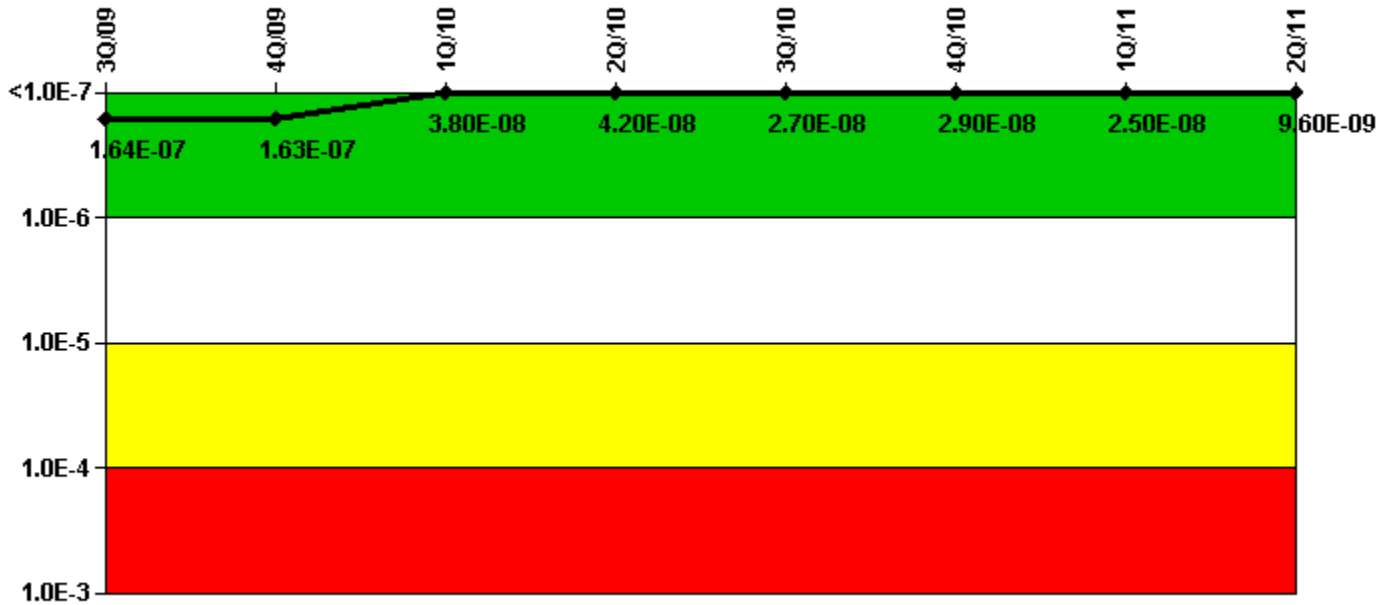
Notes

Mitigating Systems Performance Index, High Pressure Injection System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	$4.20E-08$	$4.10E-08$	$6.40E-08$	$6.19E-08$	$8.72E-08$	$8.65E-08$	$1.33E-07$	$1.34E-07$
URI (Δ CDF)	$-7.40E-08$	$-7.10E-08$	$-6.40E-08$	$-6.31E-08$	$-6.18E-08$	$-6.16E-08$	$1.33E-07$	$9.42E-08$
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	$-3.20E-08$	$-3.00E-08$	$5.00E-12$	$-1.30E-09$	$2.50E-08$	$2.50E-08$	$2.70E-07$	$2.30E-07$

Licensee Comments:

1Q/11: Revisions effective Q2 2011: PRA parameters due to model update and UA Base Lines due to change in maintenance strategy from work in outage to on-line.

Mitigating Systems Performance Index, Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

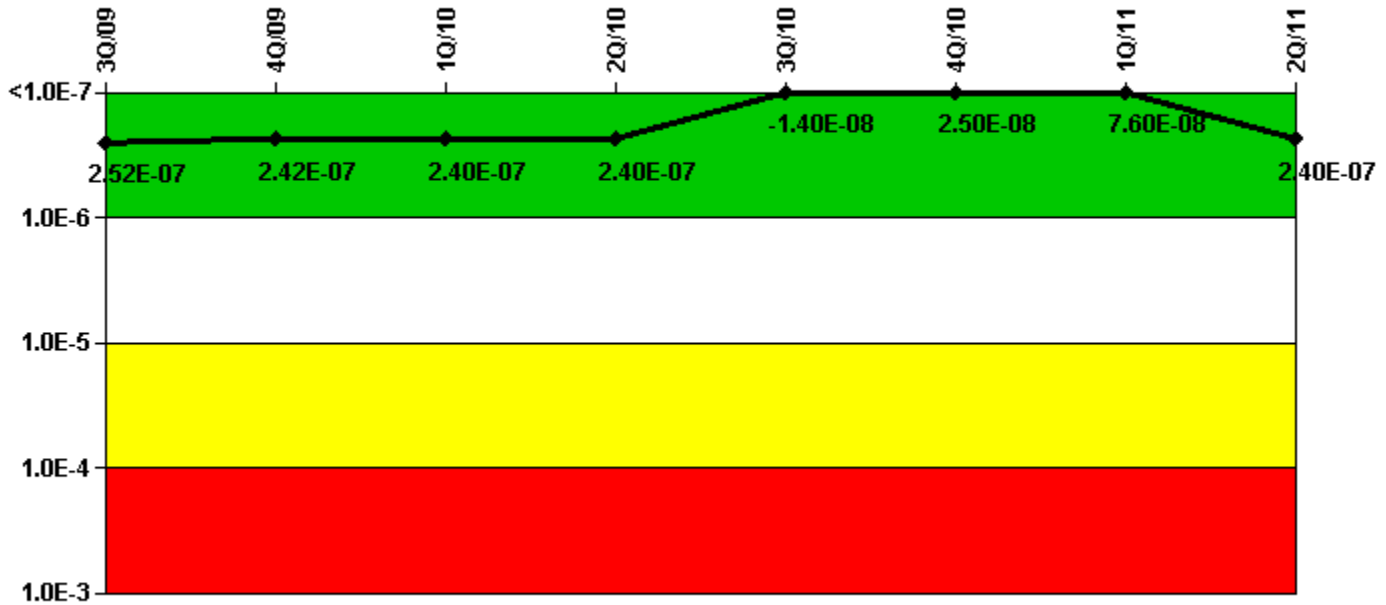
Notes

Mitigating Systems Performance Index, Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	3.50E-09	3.10E-09	1.31E-08	1.24E-08	-6.25E-09	-6.61E-09	-4.83E-09	-2.80E-09
URI (Δ CDF)	1.60E-07	1.60E-07	2.47E-08	2.99E-08	3.35E-08	3.56E-08	2.94E-08	1.24E-08
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	1.64E-07	1.63E-07	3.80E-08	4.20E-08	2.70E-08	2.90E-08	2.50E-08	9.60E-09

Licensee Comments:

1Q/11: Revisions effective Q2 2011: PRA parameters due to model update and UA Base Lines due to change in maintenance strategy from work in outage to on-line.

Mitigating Systems Performance Index, Residual Heat Removal System



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

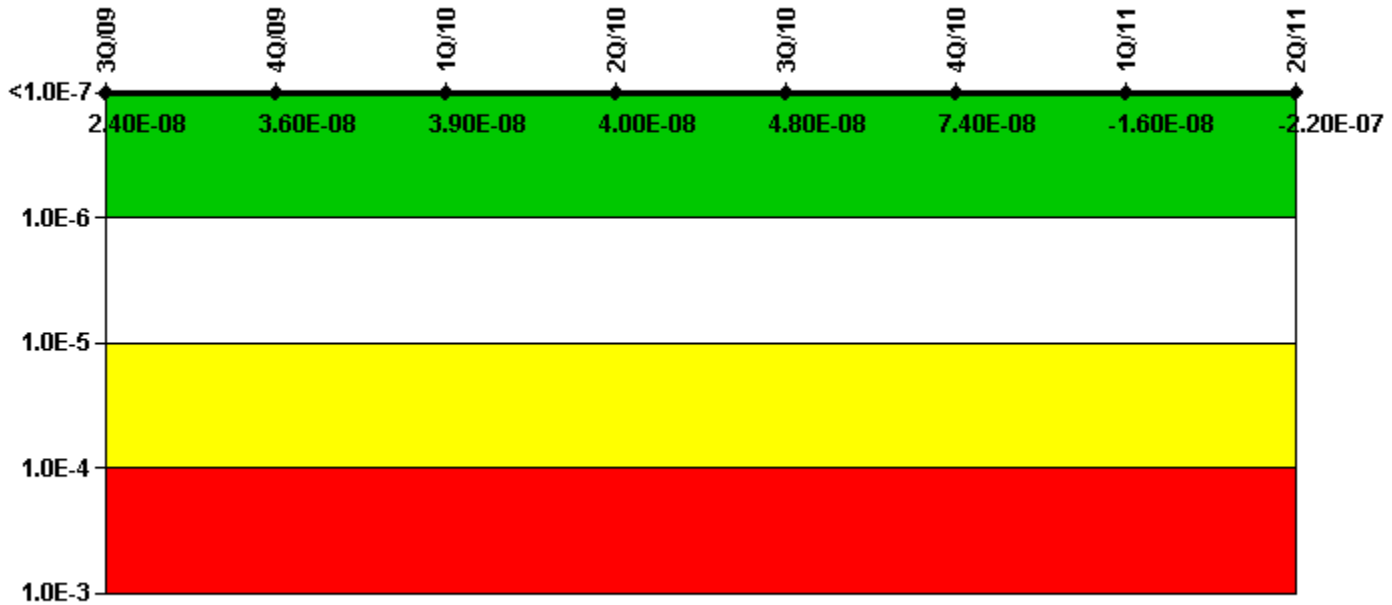
Notes

Mitigating Systems Performance Index, Residual Heat Removal System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	2.40E-07	2.30E-07	2.25E-07	2.23E-07	-1.86E-08	2.06E-08	7.31E-08	2.43E-07
URI (Δ CDF)	1.20E-08	1.20E-08	1.34E-08	1.39E-08	4.19E-09	4.10E-09	2.91E-09	9.15E-10
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.52E-07	2.42E-07	2.40E-07	2.40E-07	-1.40E-08	2.50E-08	7.60E-08	2.40E-07

Licensee Comments:

1Q/11: Revisions effective Q2 2011: PRA parameters due to model update and UA Base Lines due to change in maintenance strategy from work in outage to on-line.

Mitigating Systems Performance Index, Cooling Water Systems



Thresholds: White > 1.00E-6 Yellow > 1.00E-5 Red > 1.00E-4

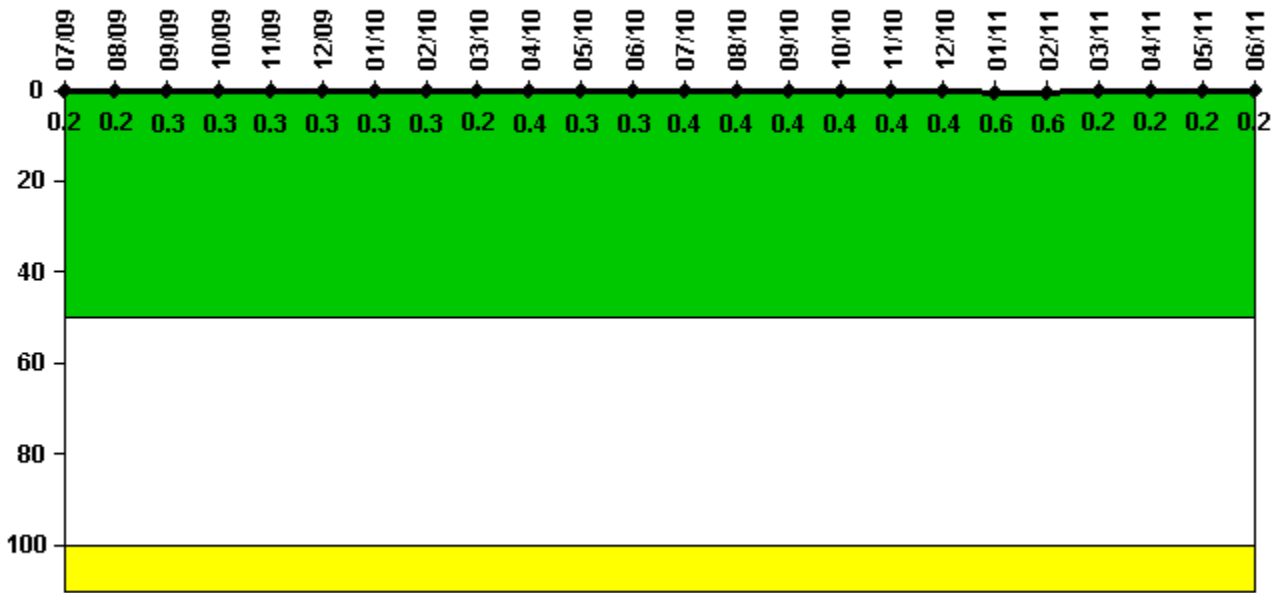
Notes

Mitigating Systems Performance Index, Cooling Water Systems	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
UAI (Δ CDF)	4.20E-08	5.40E-08	5.72E-08	5.85E-08	6.57E-08	9.21E-08	9.31E-08	6.75E-09
URI (Δ CDF)	-1.80E-08	-1.80E-08	-1.80E-08	-1.80E-08	-1.79E-08	-1.77E-08	-1.09E-07	-2.24E-07
PLE	NO	NO	NO	NO	NO	NO	NO	NO
Indicator value	2.40E-08	3.60E-08	3.90E-08	4.00E-08	4.80E-08	7.40E-08	-1.60E-08	-2.20E-07

Licensee Comments:

1Q/11: Revisions effective Q2 2011: PRA parameters due to model update and UA Base Lines due to change in maintenance strategy from work in outage to on-line and for preventive maintenance optimization

Reactor Coolant System Activity



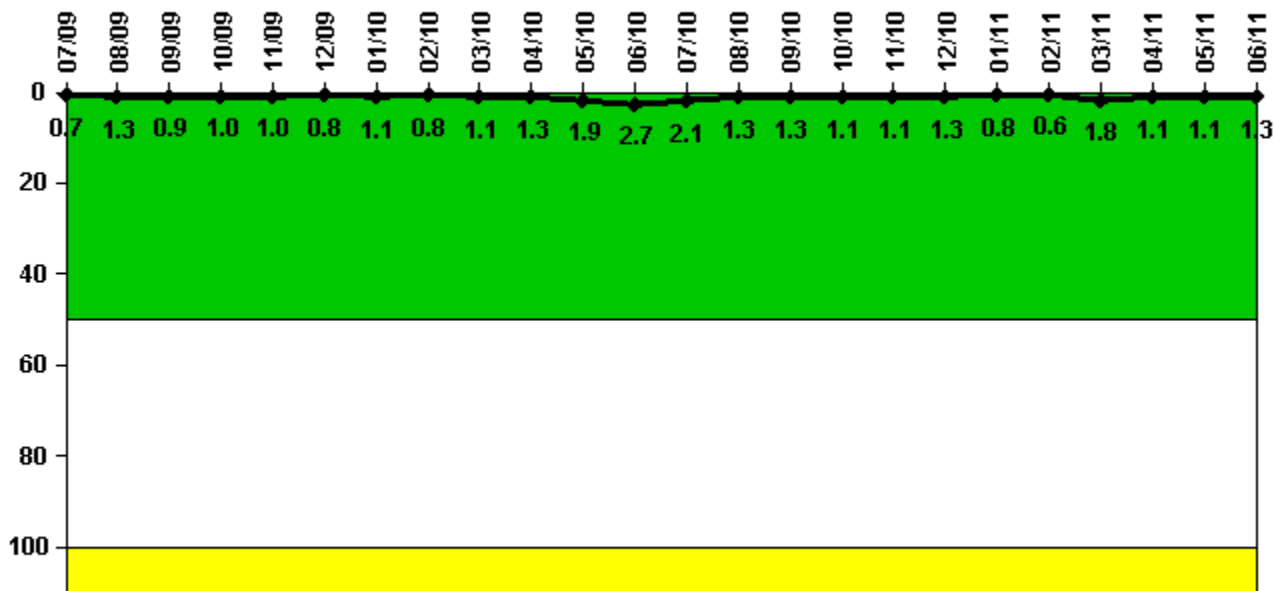
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Activity	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum activity	0.002430	0.002440	0.002560	0.002540	0.002950	0.003020	0.002880	0.003080	0.002190	0.003500	0.003240	0.003420
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Indicator value	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.4	0.3	0.3
Reactor Coolant System Activity	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum activity	0.003610	0.003970	0.004170	0.003950	0.003620	0.003710	0.003190	0.003230	0.000800	0.000863	0.000877	0.000842
Technical specification limit	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
Indicator value	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.2	0.2	0.2	0.2

Licensee Comments: none

Reactor Coolant System Leakage



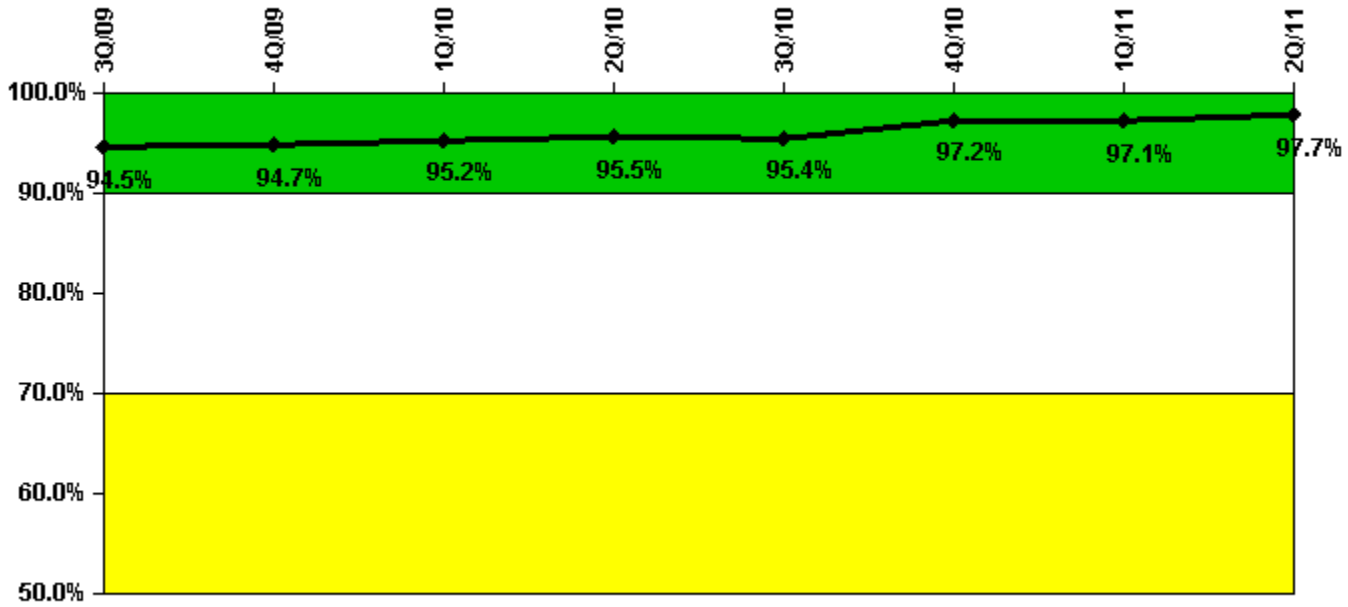
Thresholds: White > 50.0 Yellow > 100.0

Notes

Reactor Coolant System Leakage	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	6/10
Maximum leakage	0.070	0.130	0.090	0.100	0.100	0.080	0.110	0.080	0.110	0.134	0.190	0.270
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	0.7	1.3	0.9	1.0	1.0	0.8	1.1	0.8	1.1	1.3	1.9	2.7
Reactor Coolant System Leakage	7/10	8/10	9/10	10/10	11/10	12/10	1/11	2/11	3/11	4/11	5/11	6/11
Maximum leakage	0.210	0.130	0.130	0.110	0.110	0.130	0.080	0.060	0.180	0.110	0.110	0.130
Technical specification limit	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Indicator value	2.1	1.3	1.3	1.1	1.1	1.3	0.8	0.6	1.8	1.1	1.1	1.3

Licensee Comments: none

Drill/Exercise Performance



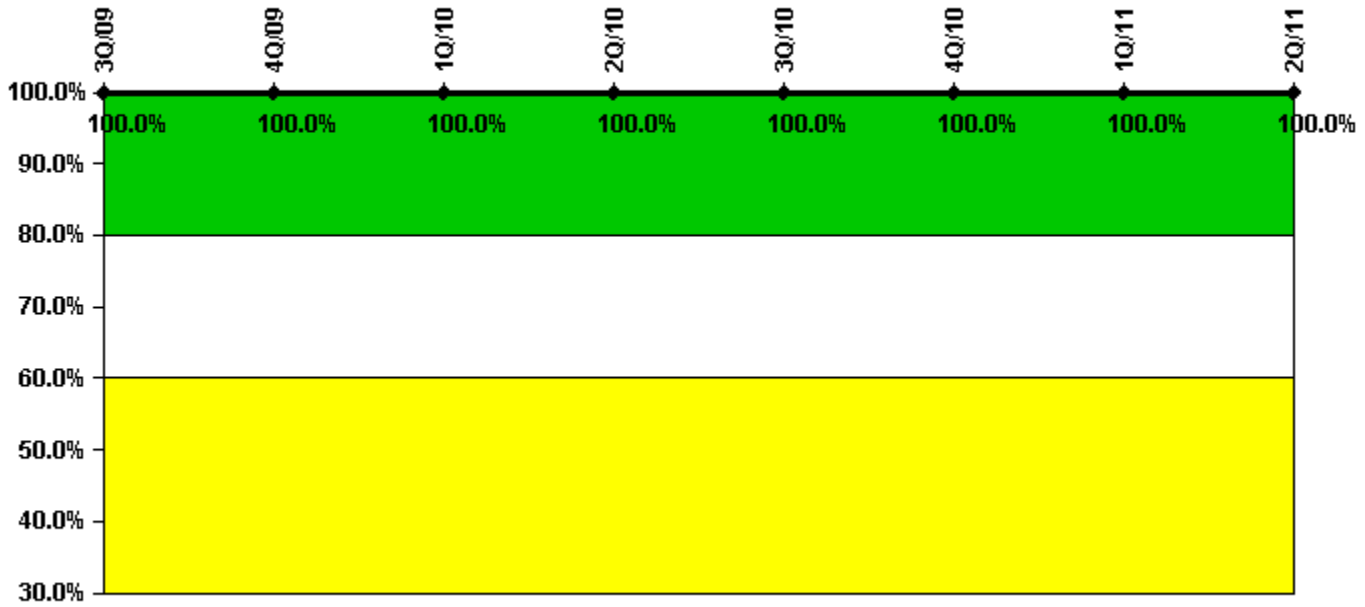
Thresholds: White < 90.0% Yellow < 70.0%

Notes

Drill/Exercise Performance	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful opportunities	43.0	63.0	13.0	23.0	76.0	53.0	4.0	58.0
Total opportunities	46.0	64.0	13.0	23.0	78.0	54.0	4.0	59.0
Indicator value	94.5%	94.7%	95.2%	95.5%	95.4%	97.2%	97.1%	97.7%

Licensee Comments: none

ERO Drill Participation



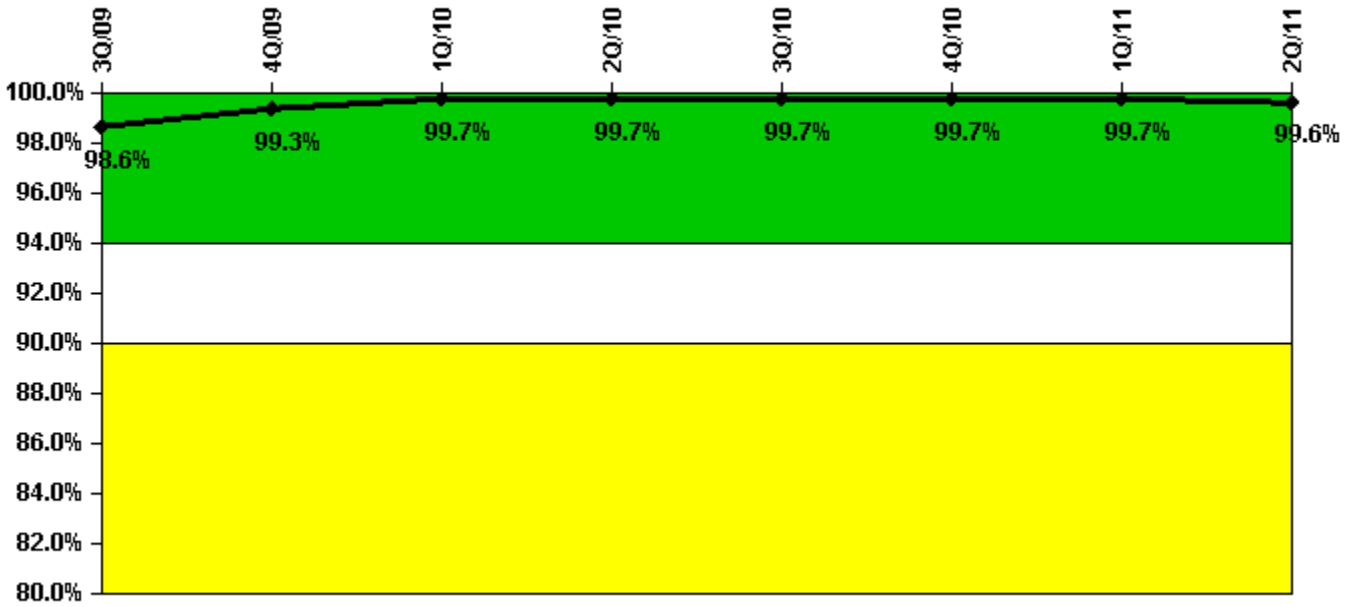
Thresholds: White < 80.0% Yellow < 60.0%

Notes

ERO Drill Participation	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Participating Key personnel	101.0	95.0	98.0	87.0	86.0	88.0	85.0	88.0
Total Key personnel	101.0	95.0	98.0	87.0	86.0	88.0	85.0	88.0
Indicator value	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Licensee Comments: none

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
Successful siren-tests	947	942	948	948	948	940	949	945
Total sirens-tests	949	949	949	949	949	949	949	949
Indicator value	98.6%	99.3%	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%

Licensee Comments: none

Occupational Exposure Control Effectiveness



Thresholds: White > 2.0 Yellow > 5.0

Notes

Occupational Exposure Control Effectiveness	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
High radiation area occurrences	0	0	0	0	0	0	0	0
Very high radiation area occurrences	0	0	0	0	0	0	0	0
Unintended exposure occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

RETS/ODCM Radiological Effluent



Thresholds: White > 1.0 Yellow > 3.0

Notes

RETS/ODCM Radiological Effluent	3Q/09	4Q/09	1Q/10	2Q/10	3Q/10	4Q/10	1Q/11	2Q/11
RETS/ODCM occurrences	0	0	0	0	0	0	0	0
Indicator value	0	0	0	0	0	0	0	0

Licensee Comments: none

[Security](#) information not publicly available.